

## Datasheet: MCA3169Z

|                      |                                             |
|----------------------|---------------------------------------------|
| <b>Description:</b>  | MOUSE ANTI HUMAN HLA-DPB1:Preservative Free |
| <b>Specificity:</b>  | HLA-DPB1                                    |
| <b>Format:</b>       | Preservative Free                           |
| <b>Product Type:</b> | Monoclonal Antibody                         |
| <b>Clone:</b>        | 6C6                                         |
| <b>Isotype:</b>      | IgG2a                                       |
| <b>Quantity:</b>     | 0.1 mg                                      |

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

|                                | Yes | No | Not Determined | Suggested Dilution |
|--------------------------------|-----|----|----------------|--------------------|
| Immunohistology - Paraffin (1) | ■   |    |                | 0.1 - 10 ug/ml     |

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

**(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

|                                       |                                                                                                                                                                                              |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Target Species</b>                 | Human                                                                                                                                                                                        |
| <b>Product Form</b>                   | Purified IgG - liquid                                                                                                                                                                        |
| <b>Preparation</b>                    | Purified IgG prepared by affinity chromatography on Protein A                                                                                                                                |
| <b>Buffer Solution</b>                | Phosphate buffered saline                                                                                                                                                                    |
| <b>Preservative Stabilisers</b>       | None present                                                                                                                                                                                 |
| <b>Approx. Protein Concentrations</b> | IgG concentration 0.5 mg/ml                                                                                                                                                                  |
| <b>Immunogen</b>                      | Recombinant protein corresponding to amino acids 1-259 of human HLA-DPB1.                                                                                                                    |
| <b>External Database Links</b>        | <p><b>UniProt:</b></p> <p><a href="#">P04440</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b></p> <p><a href="#">3115</a>   HLA-DPB1   <a href="#">Related reagents</a></p> |

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>                      | HLA-DP1B                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Fusion Partners</b>               | Spleen cells from immunized BALB/c mice were fused with cells from the Sp2/0 myeloma cell line.                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Specificity</b>                   | <p><b>Mouse anti Human HLA-DPB1 antibody, clone 6C6</b> recognizes HLA-DPB1 which belongs to the MHC class II beta chain paralogues. This protein plays a central role in the immune system by presenting peptides derived from extracellular proteins.</p> <p>The major histocompatibility complex (MHC) is a cluster of genes that are important in the immune response to infections. In humans, this complex is referred to as the human leukocyte antigen (HLA) region.</p> |
| <b>Storage</b>                       | <p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>                                                                                                                                                                              |
| <b>Shelf Life</b>                    | 18 months from date of despatch.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10162 available at:<br>10162: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf</a>                                                                                                                                                                                                                                                                         |
| <b>Regulatory</b>                    | For research purposes only                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## Related Products

### Recommended Secondary Antibodies

|                                         |                                                                                                                                                                                                                                     |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Goat Anti Mouse IgG (STAR76...)         | <a href="#">RPE</a>                                                                                                                                                                                                                 |
| Goat Anti Mouse IgG IgA IgM (STAR87...) | <a href="#">Alk. Phos.</a> , <a href="#">HRP</a>                                                                                                                                                                                    |
| Goat Anti Mouse IgG (H/L) (STAR117...)  | <a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®549</a> ,<br><a href="#">DyLight®649</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> ,<br><a href="#">FITC</a> , <a href="#">HRP</a> |
| Rabbit Anti Mouse IgG (STAR9...)        | <a href="#">FITC</a>                                                                                                                                                                                                                |
| Goat Anti Mouse IgG (STAR77...)         | <a href="#">HRP</a>                                                                                                                                                                                                                 |
| Rabbit Anti Mouse IgG (STAR12...)       | <a href="#">RPE</a>                                                                                                                                                                                                                 |
| Goat Anti Mouse IgG (Fc) (STAR120...)   | <a href="#">FITC</a> , <a href="#">HRP</a>                                                                                                                                                                                          |
| Rabbit Anti Mouse IgG (STAR8...)        | <a href="#">DyLight®800</a>                                                                                                                                                                                                         |
| Goat Anti Mouse IgG (STAR70...)         | <a href="#">FITC</a>                                                                                                                                                                                                                |
| Human Anti Mouse IgG2a (HCA037...)      | <a href="#">FITC</a> , <a href="#">HRP</a>                                                                                                                                                                                          |
| Rabbit Anti Mouse IgG (STAR13...)       | <a href="#">HRP</a>                                                                                                                                                                                                                 |

### Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

|                                  |                                                                                                                                         |                  |                                                                                                                                                 |               |                                                                                                                                                     |
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